As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

the specification of which

(check [] is attached hereto
one)

[X] was filed on <u>January 10, 1994</u> as
Application Serial No. <u>08/179,151</u>
and was amended on

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Prior For	eign Application(s)				
				Prio Clai	
				[]	[]
(Number)	(Country)	(Day/Month/Y	(ear Filed)	Yes	No
(Number)	(Country)	(Day/Month/)	(ear Filed)	[] Yes	() on
				[]	[]
(Number)	(Country)	(Day/Month/)	(ear Filed)	Yes	ои
\$ 120 of insofar a applicati applicati Title 35, disclose informati defined i became avapplicati of this a PCT/US 92 (Applicat 07/692,40	ion Serial No.) (F	plication(s) of each of tin the prior vided by the \$ 112, I ack Patent and T material to Federal Regul filing date of or PCT interr il 22, 1992 iling Date) il 25, 1991	listed below the claims of United State first paragram of the patentability ations, \$ 1.0 of the prior patental film Pending (Status) (Pending, all Abandoned (Status) (Patental) (Patental)	w and, f this es raph of the duty fice a ty as .56 which ing darent partent	f to 11 ich te ed, ed)
or agents business	ed inventor, I hereby to prosecute this a in the United States therewith:	pplication ar	nd transact a	ttorne	•
	James F. Haley, Jr	Req. No.	27,794		
	Ivor R. Elrifi (Li	mited Recogn:	ition)		
G3					
sena corr	respondence to:	James F. Hal FISH & NEAVI			
		1251 Avenue	of the Amer:		
		New York, No	w York 100	20-110	4
Direct te	elephone calls to:	James F. Ha: (212) 596-96			

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Keith E. Dionne	
First Inventor's signature	
_	Date
Residence 35 Fairfield Street, Rehoboth, Massachusetts	02769
Citizenship <u>U.S.</u>	
Post Office Address 35 Fairfield Street, Rehoboth,	
Massachusetts 02769	
Full name of second joint inventor <u>Dwaine F. Emerich</u>	
Second Inventor's signature	
	Date
Residence 13 Eleventh Street, Providence, Rhode Island	02908
Citizenship <u>U.S.</u>	
Post Office Address 13 Eleventh Street, Providence, Rho	de
<u>Island 02908</u>	
Full name of third joint inventor Diane Hoffman	
Third Inventor's signature Diane Hoffman	4/5/94
	Date
Residence 20 Vincent Street, #3, Cambridge, Massachuset	te 02140
Citizenship <u>U.S.</u>	<u></u>
Post Office Address 20 Vincent Street, #3, Cambridge,	
Massachusetts 02140	
Plassachusetts_U214U	

Fourth Inventor's signature	
	Date
Residence 11751 Pilot Country Drive, Spring	Hill, FL 34610
Citizenship <u>U.S.</u>	
Post Office Address 11751 Pilot Country Driv	ve. Spring Hill.
FL 34610	
Full name of fifth joint inventor <u>Lisa Chris</u>	stenson
Fifth Inventor's signature	
	Date
Residence <u>101 Linden Street, New Haven, Con</u>	necticut, 06511
Citizenship <u>U.S.</u>	
Post Office Address <u>101 Linden Street, New F</u>	laven, Connecticut,
06511	· · · · · · · · · · · · · · · · · · ·
Full name of sixth joint inventor <u>Orion D. F</u>	legre
Sixth Inventor's signature	
	Date
Residence <u>655 West Via Rusaldo, Green Valle</u> y	. Arizona 85614
Citizenship <u>U.S.</u>	
Post Office Address <u>655 West Via Rusaldo, G</u>	een Valley,
Arizona 85614	

Full name of seventh joint inventor David W. Scharp	
Seventh Inventor's signature	
	Dat
Residence 1129 Dunston Drive. St. Louis, Missouri 63146	
Citizenship U.S.	
Post Office Address 1129 Dunston Drive, St. Louis,	
Missouri 63146	
MISSOULI GOLTO	
Full name of eighth inventor Paul E. Lacy	
Eighth Inventor's signature	
	Date
Residence 63 Marshall Place, Webster Grove, Missouri 63	199
Citizenship U.S.	
	•
Post Office Address 63 Marshall Place, Webster Grove,	
Missouri 63199	
Full name of ninth joint inventor Patrick Aebischer	
Ninth Inventor's signature	
	Date
Desidence Observe de Dienhee et est toor tubus guite sel	
Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerl	and
Citizenship Switzerland	
Post Office Address Chemin de Plantaz 65, CH-1095 Lutry	<u>'</u>
Switzerland	

Full name of tenth joint inventor Alfred V. Vasconcellos
Tenth Inventor's signature
Date
Residence 766 Laten Knight Road, Cranston, Rhode Island, 02918
Citizenship <u>U.S.</u>
Post Office Address 766 Laten Knight Road, Cranston, Rhode
Island 02918
Full name of eleventh inventor <u>Michael J. Lysaght</u>
Eleventh Inventor's signature
Date
Residence 16 River Run, E. Greenwich, Rhode Island, 02818
Citizenship <u>U.S.</u>
Post Office Address 16 River Run, E. Greenwich, Rhode Island
02818
Full name of twelfth joint inventor Frank T. Gentile
Twelfth Inventor's signature
Date
Residence 57 Lawn Avenue, Warwich, Rhode Island, 02888
Citizenship <u>U.S.</u>
Post Office Address 57 Lawn Avenue, Rhode Island, 02888
•

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Prior Forei	gn Application(s)			
	.gpp=======(=,			Priority <u>Claimed</u>
				[][]
(Number)	(Country)	(Day/Month/Y	(ear Filed)	Yes No
		· · · · · · · · · · · · · · · · · · ·		[][]
(Number)	(Country)	(Day/Month/)	(ear Filed)	Yes No
(Number)	(Country)	(Day/Month/)	(ear Filed)	Yes No
insofar as application application Title 35, Udisclose to information defined in became available application of this application of this application of this application application of this application application of this application of this application application of this application)3327 <u>A</u> r	er of each of the in the prior covided by the constant of the constant of the federal Regular filing date of the constant of t	the claims of United State first parage to the patentability of the prior national file.	of this tes graph of ne duty to ffice all ity as 1.56 which fing date (patented,
07/602 402	λ,	oril 25, 1991	•	abandoned)
07/692,403 (Application		(Filing Date)		(patented,
or agents t		application ares Patent and	following and transact	attorneys all
	James F. Haley, C Ivor R. Elrifi ()	Limited Recogn	ition)	
Send corres	spondence to:	James F. Ha		
		FISH & NEAV 1251 Avenue New York, N	of the Ame	
Direct tele	ephone calls to:	James F. Ha	ley, Jr.	
		10001 200	^^^	

I hereby declare that all statements made herein of my own knowledge are tru and that all statements made on information and belief are believed to b true; and furth r that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Keith E. Dionne	
First Inventor's signature Keich & Dien- 4	<u>5/9</u>
Date	3
Residence 35 Fairfield Street, Rehoboth, Massachusetts 0276	59
Citizenship <u>U.S.</u>	
Post Office Address 35 Fairfield Street, Rehoboth,	
Massachusetts 02769	
Full name of second joint inventor Dwaine F. Emerich	
Second Inventor's signature // 4/4	1/94
bat	^Z e
Residence 13 Eleventh Street, Providence, Rhode Island 0290	80
Citizenship <u>U.S.</u>	
Post Office Address 13 Eleventh Street, Providence, Rhode	
Island 02908	
Full name of third joint inventor Diane Hoffman	
Third Inventor's signature	
Date	<u> </u>
Residence 20 Vincent Street, #3, Cambridge, Massachusetts 0	2140
Citizenship U.S.	
Post Office Address 20 Vincent Street, #3, Cambridge,	
POSE ULLICE AGGLESS ZU VINCENT STEERT, #1, CAMPTIAND.	

Full name of fourth joint inventor Paul R. Sanbe	
Fourth Inventor's signature	Date
Residence 11751 Pilot Country Drive, Spring Hill	, FL 34610
Citizenship U.S.	······································
Post Office Address 11751 Pilot Country Drive, S	Spring Hill.
FL 34610	
Pesidence 101 Linden Street New Haven Connect	Date
Residence 101 Linden Street, New Haven, Connect:	cut. 06511
Citizenship <u>U.S.</u>	
Post Office Address 101 Linden Street, New Haver	1. Connecticut
06511	
Full name of sixth joint inventor Orion D. Heart	1 ,
Sixth Inventor's signature	7 / 3/3/
of the inventor of signature	Date
,	· · · · · · · · · · · · · · · · · · ·
Residence 655 West Via Rusaldo, Green Valley, A	rizona 85614

Residence 1129 Dunston Drive. St. Louis, Missouri 63146 Citizenship U.S. Post Office Address 1129 Dunston Drive, St. Louis, Missouri 63146 Full name of eighth inventor Paul E. Lacy Eighth Inventor's signature Date Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry, Switzerland	Seventh Inventor's signature	
Citizenship U.S. Post Office Address 1129 Dunston Drive, St. Louis, Missouri 63146 Full name of eighth inventor Paul E. Lacy Eighth Inventor's signature Date Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,		Date
Post Office Address 1129 Dunston Drive, St. Louis, Missouri 63146 Full name of eighth inventor Paul E. Lacy Eighth Inventor's signature Date Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Residence <u>1129 Dunston Drive. St. Loui</u>	s, Missouri 63146
Full name of eighth inventor Paul E. Lacy Eighth Inventor's signature Date Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Citizenship <u>U.S.</u>	
Full name of eighth inventor Paul E. Lacy Eighth Inventor's signature Date Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Post Office Address 1129 Dunston Drive	, St. Louis,
Eighth Inventor's signature Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Missouri 63146	
Eighth Inventor's signature Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	•	
Eighth Inventor's signature Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	·	
Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Full name of eighth inventor Paul E. L	acy
Residence 63 Marshall Place, Webster Grove, Missouri 63199 Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Eighth Inventor's signature	
Citizenship U.S. Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,		Date
Post Office Address 63 Marshall Place, Webster Grove, Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,		rove Missouri 63100
Missouri 63199 Full name of ninth joint inventor Patrick Aebischer Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Residence 63 Marshall Place, Webster G	LOVE, MISSOULT 63133
Full name of ninth joint inventor <u>Patrick Aebischer</u> Ninth Inventor's signature Date Residence <u>Chemin de Plantaz 65, CH-1095 Lutry, Switzerland</u> Citizenship <u>Switzerland</u> Post Office Address <u>Chemin de Plantaz 65, CH-1095 Lutry</u> ,	•	
Ninth Inventor's signature Date Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland Citizenship Switzerland Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Citizenship <u>U.S.</u>	
Date Residence <u>Chemin de Plantaz 65, CH-1095 Lutry, Switzerland</u> Citizenship <u>Switzerland</u> Post Office Address <u>Chemin de Plantaz 65, CH-1095 Lutry</u> ,	Citizenship <u>U.S.</u> Post Office Address <u>63 Marshall Place</u> ,	Webster Grove,
Citizenship <u>Switzerland</u> Post Office Address <u>Chemin de Plantaz 65, CH-1095 Lutry</u> ,	Citizenship <u>U.S.</u> Post Office Address <u>63 Marshall Place,</u> <u>Missouri 63199</u> Full name of ninth joint inventor <u>Patr</u>	Webster Grove,
Citizenship <u>Switzerland</u> Post Office Address <u>Chemin de Plantaz 65, CH-1095 Lutry</u> ,	Citizenship <u>U.S.</u> Post Office Address <u>63 Marshall Place,</u> <u>Missouri 63199</u> Full name of ninth joint inventor <u>Patr</u>	Webster Grove,
Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	Citizenship <u>U.S.</u> Post Office Address <u>63 Marshall Place,</u> <u>Missouri 63199</u> Full name of ninth joint inventor <u>Patr</u> Ninth Inventor's signature	Webster Grove, ick Aebischer Date
	Citizenship <u>U.S.</u> Post Office Address <u>63 Marshall Place</u> , <u>Missouri 63199</u> Full name of ninth joint inventor <u>Patr</u> Ninth Inventor's signature Residence <u>Chemin de Plantaz 65, CH-109</u>	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland
	Citizenship <u>U.S.</u> Post Office Address <u>63 Marshall Place</u> , <u>Missouri 63199</u> Full name of ninth joint inventor <u>Patr</u> Ninth Inventor's signature Residence <u>Chemin de Plantaz 65</u> , <u>CH-109</u> Citizenship <u>Switzerland</u>	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland
	Citizenship U.S. Post Office Address 63 Marshall Place, Missouri 63199 Full name of ninth joint inventor Patr Ninth Inventor's signature Residence Chemin de Plantaz 65, CH-109 Citizenship Switzerland Post Office Address Chemin de Plantaz	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland
	Citizenship U.S. Post Office Address 63 Marshall Place, Missouri 63199 Full name of ninth joint inventor Patr Ninth Inventor's signature Residence Chemin de Plantaz 65, CH-109 Citizenship Switzerland Post Office Address Chemin de Plantaz	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland
	Citizenship U.S. Post Office Address 63 Marshall Place, Missouri 63199 Full name of ninth joint inventor Patr Ninth Inventor's signature Residence Chemin de Plantaz 65, CH-109 Citizenship Switzerland Post Office Address Chemin de Plantaz	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland
	Citizenship U.S. Post Office Address 63 Marshall Place, Missouri 63199 Full name of ninth joint inventor Patr Ninth Inventor's signature Residence Chemin de Plantaz 65, CH-109 Citizenship Switzerland Post Office Address Chemin de Plantaz	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland
	Citizenship U.S. Post Office Address 63 Marshall Place, Missouri 63199 Full name of ninth joint inventor Patr Ninth Inventor's signature Residence Chemin de Plantaz 65, CH-109 Citizenship Switzerland Post Office Address Chemin de Plantaz	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland
	Citizenship U.S. Post Office Address 63 Marshall Place, Missouri 63199 Full name of ninth joint inventor Patr Ninth Inventor's signature Residence Chemin de Plantaz 65, CH-109 Citizenship Switzerland Post Office Address Chemin de Plantaz	Webster Grove, ick Aebischer Date 5 Lutry, Switzerland

Tenth Inventor's signature
Residence 766 Laten Knight Road, Cranston, Rhode Island, 0
Citizenship U.S.
Post Office Address 766 Laten Knight Road, Cranston, Rhode
Island 02918
Full name of eleventh inventor Michael J. Lysaght
Eleventh Inventor's signature
j Da
Residence 16 River Run, E. Greenwich, Rhode Island, 02818
Citizenship U.S.
Post Office Address 16 River Run, E. Greenwich, Rhode Isla
02818
Full name of twelfth joint inventor Frank T. Gentile Twelfth Inventor's signature Da Da
Residence 57 Lawn Avenue, Warwich, Rhode Island, 02888
Residence 57 Lawn Avenue, Warwich, Rhode Island, 02888 Citizenship U.S.
Residence <u>57 Lawn Avenue</u> , <u>Warwich</u> , <u>Rhode Island</u> , <u>02888</u> Citizenship <u>U.S.</u> Post Office Address <u>57 Lawn Avenue</u> , <u>Rhode Island</u> , <u>02888</u>

.

,

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

the specification of which

(check [] is attached hereto
one)

[X] was filed on <u>January 10, 1994</u> as
Application Serial No. <u>08/179,151</u>
and was amended on

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Prior Foreig	n Application(s	5)		Prior	. : 4
				Claim	
(Number)	(Country)	(Day/Month/Y	ear Filed)	{ } Yes	[]
(Number)	(Country)	(Day/Month/Y	ear Filed)	() Yes	[] No
(Number)	(Country)	(Day/Month/Y	ear Filed)	() Yes	[] No
§ 120 of any insofar as tapplication application Title 35, Undisclose to information defined in Thecame avail application of this application PCT/US 92/03	United States the subject mate is not disclose in the manner pated States Cooking the United State known by me to table between the and the nationalication:	under Title 35, application(s) ter of each of ted in the prior provided by the de, \$ 112, I acktes Patent and The material to of Federal Regulate filing date of al or PCT intermaterial 22, 1992	listed belo the claims o United Stat first parag mowledge th rademark Of patentabili ations, \$ 1 of the prior ational fil	w and, f this es raph of e duty fice al ty as .56 whi	t 1 ch
	Serial No.)	(Filing Date)	(Status) (pending, a		
07/692,403 (Application	Serial No.)	April 25, 1991 (Filing Date)		patente bandone	
or agents to	prosecute this the United Sta	eby appoint the s application ar tes Patent and 1	nd transact	all	rs
	Tames F. Haley,	Jr Reg. No.	27,794		
	vor R. Elrifi	(Limited Recogn:	ition)		
Sand sames	andones to.	Tamos B. Mai			
Send corresp	ondence to:	James F. Ha FISH & NEAVI 1251 Avenue New York, No	E of the Amer		<u> </u>
Direct telep	phone calls to:	<u>James F. Ha</u> (212) 596-90	ley, Jr. 000	 	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to b tru; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Keith E. Dionne	·
First Inventor's signature	
	Date
Residence 35 Fairfield Street, Rehoboth, Massachusetts	02769
Citizenship <u>U.S.</u>	
Post Office Address 35 Fairfield Street. Rehoboth.	
Massachusetts 02769	
Full name of second joint inventor Dwaine F. Emerich	
Second Inventor's signature	
	Date
Residence 13 Eleventh Street, Providence, Rhode Island	02908
Citizenship <u>U.S.</u>	
Post Office Address 13 Eleventh Street, Providence, Rho	de
<u>Island 02908</u>	
Full name of third joint inventor Diane Hoffman	
Third Inventor's signature	
	Date
Residence 20 Vincent Street, #3, Cambridge, Massachuset	ts 02140
Citizenship <u>U.S.</u>	
Post Office Address 20 Vincent Street, #3, Cambridge,	
Massachusetts 02140	

Full nam of fourth	oint inventor F	aul R. Sanber	I/_/
Fourth Inventor's sig			4/4/94
			Date
Residence 11751 Pilot	Country Drive,	Spring Hill,	FL 34610
Citizenship <u>U.S.</u>			
Post Office Address]	1751 Pilot Cour	try Drive, Sp	ing Hill.
FL 34610			
Full name of fifth jo	oint inventor <u>Li</u>	sa Christenso	1
Full name of fifth jo	int inventor <u>Li</u>	sa Christenso	1
Fifth Inventor's sign	ature		
			Date
Residence 101 Linden	Street, New Hay	en, Connectic	it, 06511
Citizenship U.S.			
Post Office Address	01 Linden Stree	t, New Haven,	Connecticut,
06511			
Full name of sixth jo	oint inventor Or	ion D. Hegre	
•			
Full name of sixth jo Sixth Inventor's sign			
•	nature		Date

•

Full name of seventh joint inventor <u>David W. Scharp</u>	
Seventh Inventor's signature	_
Date	•
Residence 1129 Dunston Drive. St. Louis, Missouri 63146	
	_
Citizenship U.S.	-
Post Office Address 1129 Dunston Drive, St. Louis.	_
Missouri 63146	
Full name of eighth inventor Paul E. Lacy	
Eighth Inventor's signature	
Date	•
Dogidana 62 Manghall Dlage Wahatan Guana Wigneywi sasaa	
Residence 63 Marshall Place, Webster Grove, Missouri 63199	_
Citizenship <u>U.S.</u>	
Post Office Address 63 Marshall Place, Webster Grove,	_
Missouri 63199	
Full name of ninth joint inventor Patrick Aebischer	
Ninth Inventor's signature	_
Date	•
Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland	
Citizenship <u>Switzerland</u>	_
Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,	_
<u>Switzerland</u> ·	

r u	ll name of tenth joint inventor Alfred V. Vasconcellos
Te	nth Inventor's signature
	Da
Re	sidence 766 Laten Knight Road, Cranston, Rhode Island, (
Ci	tizenship <u>U.S.</u>
Po	st Office Address 766 Laten Knight Road, Cranston, Rhode
	land 02918
Fu	ll name of eleventh inventor <u>Michael J. Lysaght</u>
El	eventh Inventor's signature
	Di
Re	sidence <u>16 River Run, E. Greenwich, Rhode Island, 02818</u>
Ci	tizenship <u>U.S.</u>
Po	st Office Address <u>16 River Run, E. Greenwich, Rhode Isl</u>
_0	2818
Fu	ll name of twelfth joint inventor Frank T. Gentile
Tw	elfth Inventor's signature
	, p
Re	sidence <u>57 Lawn Avenue, Warwich, Rhode Island, 02888</u>
	sidence <u>57 Lawn Avenue, Warwich, Rhode Island, 02888</u> tizenship <u>U.S.</u>

• ...

.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

the specification of which

(check [] is attached hereto
one)

[X] was filed on <u>January 10, 1994</u> as
Application Serial No. <u>08/179,151</u>
and was amended on

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Prior Fore	ign Application	(s)		Prio <u>Clai</u>	
(Number)	(Country)	(Day/Month/Y	ear Filed)	[] Yes	() No
(Number)	(Country)	(Day/Month/Y	ear Filed)	[] Yes	() ou
(Number)	(Country)	(Day/Month/Y	ear Filed)	[] Yes	() 00
\$ 120 of an insofar as application application Title 35, I disclose to information defined in became avai	ny United State the subject man is not discloud in the manner United States Country the United States of the United States Title 37, Code ilable between and the natio	t under Title 35, s application(s) tter of each of tsed in the prior provided by the code, \$ 112, I ack ates Patent and To be material to of Federal Regulthe filing date on all or PCT internal	listed belothe claims of United State first parage chowledge the patentability of the prior	ow and, of this tes graph o ne duty ffice a ity as 1.56 wh	f to 11
PCT/US 92/0		April 22, 1992	Pending		
(Application	on Serial No.)	(Filing Date)	(Status) pending,		
07/692,403 (Application	on Serial No.)	April 25, 1991 (Filing Date)		(patent	
or agents t	to prosecute th n the United St	reby appoint the is application arates Patent and 1	nd transact	all	ys
	James F. Haley	. Jr Reg. No.	27,794	 	
	IVOR K. EIFITI	(Limited Recogni	tion)		
		· · · · · · · · · · · · · · · · · · ·			

James F. Haley, Jr.

FISH & NEAVE

Send correspondence to:

Direct telephone calls to:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief ar b li ved to be true; and further that these statements were mad with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Keith E. Dionne	
First Inventor's signature	
	Date
Residence 35 Fairfield Street, Rehoboth, Massachusetts	02769
Citizenship <u>U.S.</u> · · · · · · · · · · · · · · · · · · ·	
Post Office Address 35 Fairfield Street, Rehoboth,	
Massachusetts 02769	
Dull many of good daint inventor Duning D. Dwawich	
Full name of second joint inventor <u>Dwaine F. Emerich</u>	
Second Inventor's signature	Date
	2400
Residence 13 Eleventh Street, Providence, Rhode Island	02908
Citizenship <u>U.S.</u>	····-
Post Office Address 13 Eleventh Street, Providence, Rho	de
<u>Island 02908</u>	
Full name of third joint inventor <u>Diane Hoffman</u> Third Inventor's signature	
	Date
Residence 20 Vincent Street, #3, Cambridge, Massachuset Citizenship U.S.	ts 0214
Post Office Address 20 Vincent Street, #3, Cambridge,	
Massachusetts 02140	

Fourth Inventor's signature	Date
Residence 11751 Pilot Country Drive, Spring Hil	l, FL 34610
Citizenship <u>U.S.</u>	····
Post Office Address 11751 Pilot Country Drive,	Spring Hill.
FL 34610	
Full name of fifth joint inventor Lisa Christen:	son
Fifth Inventor's signature	
III III III III III III III III III II	Date
Residence <u>101 Linden Street, New Haven, Connect</u>	iont Offil
Citizenship <u>U.S.</u>	
Post Office Address 101 Linden Street, New Have	
. 06511	
Full name of civth ioint inventor Orien D. Beer	
	Date
Sixth Inventor's signature	Date
Sixth Inventor's signature Residence <u>655 West Via Rusaldo, Green Valley, A</u>	Date rizona 85614
Full name of sixth joint inventor <u>Orion D. Hegre</u> Sixth Inventor's signature Residence <u>655 West Via Rusaldo, Green Valley, A</u> Citizenship <u>U.S.</u> Post Office Address <u>655 West Via Rusaldo, Green</u>	Date

Full name of seventh joint inventor David W. Scharp Seventh Inventor's signature Date
Residence 1129 Dunston Drive. St. Louis, Missouri 63146
Citizenship <u>U.S.</u>
Post Office Address 1129 Dunston Drive, St. Louis,
Missouri 63146
Dull ware of sighth inventor Davi D. Jagu
Full name of eighth inventor Paul E. Lacy
Eighth Inventor's signature Date
Date
Residence 63 Marshall Place, Webster Grove, Missouri 63199
Citizenship <u>U.S.</u>
Post Office Address 63 Marshall Place, Webster Grove,
Missouri 63199
Full name of ninth joint inventor <u>Patrick Aebischer</u>
Ninth Inventor's signature
Date
Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland
Citizenship Switzerland
Post Office Address Chemin de Plantaz 65, CH-1095 Lutry,
Switzerland
Lareine & Reed.

LARAINE J REED

NOTARY PUBLIC STATE OF MISSOURI

ST. LOUIS COUNTY

MY COMMISSION-EXP. DEC. 22,1995

Full name of tenth joint inventor Alfred V. Vasconcellos
Tenth Inventor's signatur
Dat
Residence 766 Laten Knight Road, Cranston, Rhode Island, 02918
Citizenship <u>U.S.</u>
Post Office Address <u>766 Laten Knight Road, Cranston, Rhode</u>
Island 02918
Full name of eleventh inventor <u>Michael J. Lysaght</u> Eleventh Inventor's signature
Date
Residence 16 River Run, E. Greenwich, Rhode Island, 02818 Citizenship U.S. Post Office Address 16 River Run, E. Greenwich, Rhode Island
02818
Full name of twelfth joint inventor <u>Frank T. Gentile</u> Twelfth Inventor's signature
· Date
Residence 57 Lawn Avenue, Warwich, Rhode Island, 02888
Citizenship <u>U.S.</u>
Post Office Address <u>57 Lawn Avenue</u> , Rhode Island, 02888

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

the specification of which

(check [] is attached hereto
one)

[X] was filed on <u>January 10, 1994</u> as
Application Serial No. <u>08/179,151</u>
and was amended on _______.

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Duion Pomoi	an Annliastion	(s)			
Prior Fore	gn Application	(3)		Prio Clai	
(Number)	(Country)	(Day/Month/Ye	ear Filed)	[] Yes	[] No
(Number)	(Country)	(Day/Month/Ye	ear Filed)	() Yes	.[] No
(Number)	(Country)	(Day/Month/Ye	ear Filed)	[] Yes	[]
application application Title 35, Udisclose to information defined in became available.	n is not disclo n in the manner United States C o the United St n known by me t Title 37, Code ilable between n and the natio	tter of each of the sed in the prior of the provided by the second ode, \$ 112, I acknowledge at the filing date of the filing date of the provided at the second of the se	United State first parage nowledge the rademark Or patentabil ations, \$ 1	tes graph o he duty ffice a ity as 1.56 wh r	f to 11 ich
		April 22, 1992 (Filing Date)	Pending (Status) pending,	(patent abandon	ed, ed)
07/692,403 (Application	on Serial No.)	April 25, 1991 (Filing Date)	Abandoned (Status) pending,	(patent	
or agents t	to prosecute th n the United St	reby appoint the is application anates Patent and T	d transact	all	ys
	James F. Haley	Jr Reg. No.	27,794		
	IVOT R. EITITI	(Limited Recogni	T10N)		
Send corre	spondence to:	James F. Hal	ey, Jr.		
		FISH & NEAVE 1251 Avenue New York, Ne	of the Ame		14

<u>James F. Haley, Jr.</u> (212) 596-9000

Direct telephone calls to:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and b lief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Keith E. Dionne	····
First Inventor's signature	
	Date
Residence 35 Fairfield Street, Rehoboth, Massachusetts	02769
Citizenship <u>U.S.</u>	· · · · · · · · · · · · · · · · · · ·
Post Office Address 35 Fairfield Street, Rehoboth,	···
Massachusetts 02769	
Full name of second joint inventor Dwaine F . Emerich	
Second Inventor's signature	
	Date
Residence 13 Eleventh Street, Providence, Rhode Island	02908
Citizenship U.S.	
Post Office Address 13 Eleventh Street, Providence, Rho	de
<u>Island 02908</u>	
Full name of third joint inventor Diane Hoffman	
Third Inventor's signature	
	Date
Residence 20 Vincent Street, #3, Cambridge, Massachuset	ts 02140
Citizenship <u>U.S.</u>	
Post Office Address 20 Vincent Street, #3, Cambridge,	
Massachusetts 02140	

Fourth Inventor's signature	
	Date
Residence <u>11751 Pilot Country Drive, Spring Hi</u>	ll. FL 34610
Citizenship <u>U.S.</u>	·
Post Office Address 11751 Pilot Country Drive,	Spring Hill.
FL 34610	
Full name of fifth joint inventor Lisa Christe	enson
Full name of fifth joint inventor <u>Lisa Christe</u>	
Full name of fifth joint inventor <u>Lisa Christe</u> Fifth Inventor's signature	
Fifth Inventor's signature	Date
Fifth Inventor's signature Residence 101 Linden Street, New Haven, Connec	Date
Fifth Inventor's signature Residence <u>101 Linden Street, New Haven, Connec</u> Citizenship <u>U.S.</u>	Date
Fifth Inventor's signature Residence 101 Linden Street, New Haven, Connec	Date eticut, 06511 ven, Connecticu
Fifth Inventor's signature Residence <u>101 Linden Street, New Haven, Connec</u> Citizenship <u>U.S.</u> Post Office Address <u>101 Linden Street, New Hav</u>	Date eticut, 06511 ven, Connecticu
Fifth Inventor's signature Residence <u>101 Linden Street, New Haven, Connec</u> Citizenship <u>U.S.</u> Post Office Address <u>101 Linden Street, New Hav</u>	Date eticut, 06511 ven, Connecticu
Fifth Inventor's signature Residence <u>101 Linden Street, New Haven, Connec</u> Citizenship <u>U.S.</u> Post Office Address <u>101 Linden Street, New Hav</u>	Date eticut, 06511
Fifth Inventor's signature Residence <u>101 Linden Street, New Haven, Connec</u> Citizenship <u>U.S.</u> Post Office Address <u>101 Linden Street, New Hav</u> 06511	Date eticut, 06511 ven, Connecticu
Fifth Inventor's signature Residence 101 Linden Street, New Haven, Connec Citizenship U.S. Post Office Address 101 Linden Street, New Hav 06511 Full name of sixth joint inventor Orion D. Hea	Date eticut, 06511 ven, Connecticu
Fifth Inventor's signature Residence 101 Linden Street, New Haven, Connec Citizenship U.S. Post Office Address 101 Linden Street, New Hav 06511 Full name of sixth joint inventor Orion D. Hea	Date ren, Connection Tren Tr

٠..

•

.

Full name of seventh joint inventor <u>David W. Scharp</u>	
Seventh Inventor's signature	
	Date
Residence 1129 Dunston Drive. St. Louis, Missouri 63146	···-
Citizenship <u>U.S.</u>	 .
Post Office Address 1129 Dunston Drive, St. Louis,	
Missouri 63146	
Full name of eighth inventor Paul E. Lacy	
Eighth Inventor's signature Taul Lac	4/4/94
	Date
Residence 63 Marshall Place, Webster Grove, Missouri 63	100
	133
Citizenship <u>U.S.</u>	 ,
Post Office Address 63 Marshall Place, Webster Grove,	
Missouri 63199	
·	
Full name of ninth joint inventor Patrick Aebischer	
Ninth Inventor's signature	
	Date
Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerl	and
Citizenship Switzerland	
Post Office Address Chemin de Plantaz 65, CH-1095 Lutry	•
Switzerland	-

Full name of tenth joint inv ntor Alfred V. Vasconcellos
Tenth Inventor's signature
Dat
Residence 766 Laten Knight Road, Cranston, Rhode Island, 02918
Citizenship <u>U.S.</u>
Post Office Address 766 Laten Knight Road, Cranston, Rhode
Island 02918
Full name of eleventh inventor Michael J. Lysaght
Eleventh Inventor's signature
Date
Residence 16 River Run, E. Greenwich, Rhode Island, 02818
Citizenship <u>U.S.</u>
Post Office Address 16 River Run, E. Greenwich, Rhode Island
02818
Full name of twelfth joint inventor Frank T. Gentile
Twelfth Inventor's signature
Date
Residence <u>57 Lawn Avenue, Warwich, Rhode Island, 02888</u>
Citizenship <u>U.S.</u>
Post Office Address 57 Lawn Avenue, Rhode Island, 02888

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

the specification of which

(check [] is attached hereto
one)

[X] was filed on <u>January 10, 1994</u> as
Application Serial No. <u>08/179,151</u>
and was amended on

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

		(-)					
Prior Fore	ign Application	(S)		Prior <u>Clai</u> n			
(Number)	(Country)	(Day/Month/Y	ear Filed	[]) Yes	[] No		
(11411111111111111111111111111111111111	(00402),	(2-2)					
(Number)	(Country)	(Day/Month/Y	ear Filed	() Yes	() No		
(Number)	(Country)	(Day/Month/Y	ear Filed)	_ [] Yes	() No		
application application Title 35, disclose to information defined in became available.	n is not disclosed in the manner United States Control of the United States of the United Sta	tter of each of to sed in the prior provided by the ode, \$ 112, I ack ates Patent and To be material to of Federal Regul the filing date of hal or PCT intern	United Staffirst para first para nowledge trademark (patentabilations, \$ f the price	ates agraph of the duty Office al lity as 1.56 whi	to ll ich		
PCT/US 92/0 (Application		April 22, 1992 (Filing Date)	Pending (Status) pending,				
07/692,403		April 25, 1991	Abandone	d			
		(Filing Date)	(Status) pending,	(patente			
As a named inventor, I hereby appoint the following attorneys or agents to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith:							
	James F. Halev	, Jr Req. No.	27.794				
	Ivor R. Elrifi	(Limited Recogni	tion)				
		:					
Send corre	spondence to:	James F. Hal					
		FISH & NEAVE 1251 Avenue		oriasa			
		New York, Ne		ericas 0020-110	4		

<u>James F. Haley, Jr.</u> (212) 596-9000

Direct telephone calls to:

I hereby declare that all statements made herein of my own knowledge are true and that all stat ments made on information and belief ar believed to be true; and further that these statements w re made with the knowledge that willful false statements and the like so made ar punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor <u>Keith E. Dionne</u>	
First Inventor's signature	
	Date
Residence 35 Fairfield Street, Rehoboth, Massachusetts	02769
Citizenshíp <u>U.S.</u>	
Post Office Address 35 Fairfield Street, Rehoboth,	
Massachusetts 02769	
Full name of second joint inventor <u>Dwaine F. Emerich</u>	
Second Inventor's signature	
	Date
Residence 13 Eleventh Street, Providence, Rhode Island	02908
Citizenship <u>U.S.</u>	· · · · · · · · · · · · · · · · · · ·
Post Office Address 13 Eleventh Street, Providence, Rho	de
Island 02908	
Full name of third joint inventor Diane Hoffman	··
Third Inventor's signature	
	Date
Residence 20 Vincent Street, #3, Cambridge, Massachuset	ts 02140
Citizenship <u>U.S.</u>	
Post Office Address 20 Vincent Street, #3, Cambridge,	
Massachusetts 02140	

mill come to the transmission David D. Comb	
Full name of fourth joint inventor Paul R. Sanb	
Fourth Inventor's signature	Date
Residence 11751 Pilot Country Drive, Spring Hil	1. FL 34610
Citizenship <u>U.S.</u>	
Post Office Address 11751 Pilot Country Drive.	
FL 34610	
Full name of fifth joint inventor Lisa Christen	son
Fifth Inventor's signature	
	Date
Residence 101 Linden Street, New Haven, Connect	icut, 06511
Citizenship <u>U.S.</u>	
Post Office Address 101 Linden Street, New Have	n, Connecticut,
06511	
Full name of sixth joint inventor Orion D. Hegr	·e
Full name of sixth joint inventor <u>Orion D. Hegr</u>	
Full name of sixth joint inventor <u>Orion D. Hegr</u>	Date
Full name of sixth joint inventor <u>Orion D. Hegr</u> Sixth Inventor's signature Residence <u>655 West Via Rusaldo, Green Valley, A</u>	Date Date
Full name of sixth joint inventor <u>Orion D. Hegr</u> Sixth Inventor's signature	Date Arizona 85614

.

Full name of seventh joint inventor <u>David W. Scharp</u>
Seventh Inventor's signature
Date
Residence 1129 Dunston Drive. St. Louis, Missouri 63146
Citizenship U.S.
Post Office Address 1129 Dunston Drive, St. Louis,
Missouri 63146
PIISOULI OJITO
·
Full name of eighth inventor Paul E. Lacy
Eighth Inventor's signature
Date
Residence 63 Marshall Place, Webster Grove, Missouri 63199
Citizenship U.S.
Post Office Address 63 Marshall Place, Webster Grove,
Missouri 63199
Full name of ninth joint inventor Patrick Aebischer
Ninth Inventor's signature
Date
Desidence Chemin de Dientes (5 OU 1005 Tutum Contessales)
Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerland
Citizenship Switzerland
Post Office Address Chemin de Plantaz 65, CH-1095 Lutry.
Switzerland

Full name of tenth joint inventor Alfred V. Vasooncellos	
Tenth Inventor's signature	
Date	
Residence 766 Laten Knight Road, Cranston, Rhode Island, 0291	.8_
Citizenship <u>U.S.</u>	
Post Office Address 766 Laten Knight Road, Cranston, Rhode	
Island_02918	
Full name of eleventh inventor <u>Michael J. Lysaght</u> Eleventh Inventor's signature	
Date	_
Residence 16 River Run, E. Greenwich, Rhode Island, 02818	
Citizenship <u>U.S.</u>	
Post Office Address <u>16 River Run</u> , <u>E. Greenwich</u> , <u>Rhode Island</u> 02818	
Full name of twelfth joint inventor Frank T. Gentile	·
Twelfth Inventor's signature	_
Date	
Residence 57 Lawn Avenue, Warwich, Rhode Island, 02888	
Citizenship U.S.	
Post Office Address 57 Lawn Avenue, Rhode Island, 02888	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

the spec	cification of which	
(check one)	[] is attached hereto	
one)	[X] was filed on <u>January 10, 1994</u> Application Serial No. <u>08/179,151</u>	as
	and was amended on(if applicable)	•

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, \$ 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Forei	gn Application	(s)		Priority Claimed
(Number)	(Country)	(Day/Month/Y	ear Filed)	[] [] Yes No
(Number)	(Country)	(Day/Month/Y	ear Filed)	[] [] Yes No
(Number)	(Country)	(Day/Month/Y	ear Filed)	[][] Yes No
\$ 120 of an insofar as application application Title 35, Udisclose to information defined in became avai	y United State the subject ma is not disclo in the manner inited States Co the United States though by me to Title 37, Code lable between and the natio	t under Title 35, s application(s) tter of each of t sed in the prior provided by the ode, § 112, I ack ates Patent and To be material to of Federal Regulthe filing date on al or PCT intern	listed below he claims of United State first parage nowledge the rademark Of patentability ations, \$ 1 of the prior	w and, f this es raph of e duty to fice all ty as .56 which
PCT/US 92/0 (Application	on Serial No.)	April 22, 1992 (Filing Date)	Pending (Status) (pending, a	
07/692,403 (Application	on Serial No.)	April 25, 1991 (Filing Date)	Abandoned (Status) (pending, a	
or agents t	o prosecute the the United St	reby appoint the is application an ates Patent and T	d transact	all
	James F. Haley	, Jr Reg. No.	27.794	
	Ivor R. Elrifi	(Limited Recogni	tion)	
Send corres	pondence to:	James F. Hal	ey, Jr.	

1251 Avenue of the Americas New York, New York 10020-1104

Direct telephone calls to:

FISH & NEAVE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to b true; and further that th se statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Keith E. Dionne	
First Inventor's signature	
	Date
Residence 35 Fairfield Street, Rehoboth, Massachusetts	02769
Citizenship <u>U.S.</u>	
Post Office Address 35 Fairfield Street, Rehoboth,	
Massachusetts 02769	
Full name of second joint inventor <u>Dwaine F. Emerich</u>	
Second Inventor's signature	
	Date
Residence 13 Eleventh Street, Providence, Rhode Island	02908
Citizenship <u>U.S.</u>	
Post Office Address 13 Eleventh Street, Providence, Rho	de
Island 02908	
Full name of third joint inventor Diane Hoffman	
Third Inventor's signature	
	Date
Residence 20 Vincent Street, #3, Cambridge, Massachuset	ts 02140
Citizenship <u>U.S.</u>	
Post Office Address 20 Vincent Street, #3, Cambridge,	<u></u>
Massachusetts 02140	

Full name of fourth joint inventor Paul R. Sanber	
Fourth Inventor's signature	Dat
	-
Resid nce 11751 Pilot Country Drive, Spring Hill,	
Citizenship <u>U.S.</u>	
Post Office Address 11751 Pilot Country Drive, Sp	oring Hill,
FL 34610	
Full name of fifth joint inventor <u>Lisa Christenso</u>	
Fifth Inventor's signature	Dat
Residence 101 Linden Street, New Haven, Connection	
Citizenship <u>U.S.</u>	
Post Office Address 101 Linden Street, New Haven,	Connecticu
06511	
Full name of girth isint inventor Origin D. Warne	
Full name of sixth joint inventor Orion D. Hegre	<u> </u>
Sixth Inventor's signature	Date
Posidongo SEE Work Via Dugaldo Cheen Valley Ani	
Residence 655 West Via Rusaldo, Green Valley, Art	
Citizenship <u>U.S.</u>	
Post Office Address 655 West Via Rusaldo, Green V	Valley,
Arizona 85614	

Full name of seventh joint inventor David W. S	
Seventh Inventor's signature	Date
Residence 1129 Dunston Drive. St. Louis, Misso	nuri 63146
Citizenship <u>U.S.</u>	
Post Office Address 1129 Dunston Drive, St. Lo	
Missouri 63146	<u> </u>
MISSOULT USITO	
Full name of eighth inventor Paul E. Lacy	
Eighth Inventor's signature	
	Date
Residence <u>63 Marshall Place, Webster Grove, M</u>	issouri 63199
Citizenship <u>U.S.</u>	
Post Office Address 63 Marshall Place, Webster	r Grove,
Missouri 63199	
Full name of ninth joint inventor Patrick Aeb	ischer MMM <u>411319</u> Date
Residence <u>Chemin de Plantaz 65. CH-1095 Lutry</u>	Switzerland
Citizenship <u>Switzerland</u> .	
Post Office Address <u>Chemin de Plantaz 65, CH-</u>	1095 Lutry,

Full name of t nth joint inventor Alfred V. Vasconcellos
Tenth Inventor's signature
Date
Residence 766 Laten Knight Road, Cranston, Rhode Island, 02918
Citizenship <u>U.S.</u>
Post Office Address 766 Laten Knight Road, Cranston, Rhode
Island 02918
Full name of eleventh inventor <u>Michael J. Lysaght</u> Eleventh Inventor's signature
Date
Residence 16 River Run, E. Greenwich, Rhode Island, 02818
Citizenship <u>U.S.</u>
Post Office Address <u>16 River Run, E. Greenwich, Rhode Island</u> 02818
Full name of twelfth joint inventor Frank T. Gentile
Twelfth Inventor's signature
Date
Residence 57 Lawn Avenue, Warwich, Rhode Island, 02888
Citizenship <u>U.S.</u>
Post Office Address 57 Lawn Avenue, Rhode Island, 02888

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPLANTABLE BIOCOMPATIBLE IMMUNIOSOLATORY VEHICLE FOR DELIVERY OF SELECTED THERAPEUTIC PRODUCTS

the spec	eification of which	
(check one)	[] is attached hereto	
,	[X] was filed on <u>January 10, 1994</u> Application Serial No. <u>08/179,151</u>	as
	and was amended on(if applicable)	·•

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the invention was ever patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application.

I do not know and do not believe that the invention was in public use or on sale in the United States of America more than one year prior to this application.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known by me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, \$ 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

		(-)		
Prior Fore	ign Application	(5)		Priority <u>Claimed</u>
(Number)	(Country)	(Day/Month/Y	ear Filed)	[][] Yes No
(Number)	(Country)	(Day/Month/Y	ear Filed)	[][] Yes No
(Number)	(Country)	(Day/Month/Y	ear Filed)	[][] Yes No
§ 120 of a insofar as applicatio applicatio Title 35, disclose t informatio defined in became ava	ny United States the subject man n is not disclos n in the manner United States Co o the United Sta n known by me to Title 37, Code ilable between n and the nation	t under Title 35, s application(s) tter of each of the prior provided by the ode, \$ 112, I acknow be material to of Federal Regulate filing date of all or PCT internals.	listed belo he claims o United Stat first parac nowledge th rademark Of patentabili ations, \$ 1	ow and, of this ces graph of ne duty to ffice all ity as
PCT/US 92/ (Applicati		April 22, 1992 (Filing Date)	Pending (Status) (pending, a	
07/692,403 (Applicati	on Serial No.)	April 25, 1991 (Filing Date)		(patented,
or agents	to prosecute th n the United St	reby appoint the is application an ates Patent and T	d transact	all
		. Jr Reg. No. (Limited Recogni		
	TAOL W. FILILI	Inter Recodul	CTOU	

IVOL R. EIIIII (I	Imited Recognition)	
Send correspondence to:	James F. Haley, Jr. FISH & NEAVE 1251 Avenue of the Americas New York, New York 10020-1104	
Direct telephone calls to:	<u>James F. Haley, Jr.</u> (212) 596-9000	

I hereby declare that all statem nts made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Keith E. Dionne	
First Inventor's signature	
	Date
Residence 35 Fairfield Street, Rehoboth, Massachusetts	02769
Citizenship U.S. ·	
Post Office Address 35 Fairfield Street, Rehoboth,	
Massachusetts 02769	
Full name of second joint inventor Dwaine F. Emerich	
Second Inventor's signature	
	Date
Residence 13 Eleventh Street, Providence, Rhode Island	02908
Citizenship <u>U.S.</u>	
Post Office Address 13 Eleventh Street, Providence, Rho	de
Island 02908	
Full name of third joint inventor Diane Hoffman	
Third Inventor's signature	_
	Date
Residence 20 Vincent Street, #3, Cambridge, Massachuset	ts 02140
Citizenship <u>U.S.</u>	
Post Office Address 20 Vincent Street, #3, Cambridge,	
Massachusetts 02140	······································

Fourth Inventor's signature Date Residence 11751 Pilot Country Drive, Spring Hill, FL 34610	
	_ _
Pasidence 11751 Bilat Country Drive Spring Hill FT 24610	
Residence 11751 Filot Councily Differ Opiling Hill, FB 34610	<u></u>
Citizenship <u>U.S.</u>	
Post Office Address 11751 Pilot Country Drive, Spring Hill,	
FL 34610	
Full name of fifth joint inventor Lisa Christenson	
Fifth Inventor's signature 451	<u>44</u>
Date	•
Residence 101 Linden Street, New Haven, Connecticut, 06511	
Citizenship <u>U.S.</u>	
Post Office Address 101 Linden Street, New Haven, Connecticu	t,
06511	
,	
Full name of sixth joint inventor Orion D. Hegre	
Sixth Inventor's signature	
Date	
Residence <u>655 West Via Rusaldo, Green Valley, Arizona 85614</u>	
Citizenship <u>U.S.</u>	
Post Office Address <u>655 West Via Rusaldo, Green Valley,</u>	
Arizona 85614	

•

Full name of seventh joint inventor <u>David W. Scharp</u>	
Seventh Inventor's signature	
	Date
Residence 1129 Dunston Drive. St. Louis, Missouri 63146	
Citizenship <u>U.S.</u>	
Post Office Address 1129 Dunston Drive, St. Louis,	
Missouri 63146	
Full name of eighth inventor Paul E. Lacy	
Eighth Inventor's signature	
Eighth Inventor 3 Signature	Date
Residence 63 Marshall Place, Webster Grove, Missouri 63 Citizenship U.S.	199
Post Office Address 63 Marshall Place, Webster Grove,	
Missouri 63199	
Full name of ninth joint inventor Patrick Aebischer	
Ninth Inventor's signature	
	Date
Residence Chemin de Plantaz 65, CH-1095 Lutry, Switzerl	and
Citizenship Switzerland	·
Post Office Address Chemin de Plantaz 65, CH-1095 Lutry	
Switzerland	

Full name of tenth joint inventor Alfred V. Vasconcellos
Tenth Inventor's signature
Date
Residence 766 Laten Knight Road, Cranston, Rhode Island, 02918
Citizenship <u>U.S.</u>
Post Office Address <u>766 Laten Knight Road, Cranston, Rhode</u>
Island 02918
Full name of eleventh inventor <u>Michael J. Lysaght</u> Eleventh Inventor's signature
Date
Residence <u>16 River Run, E. Greenwich, Rhode Island, 02818</u> Citizenship <u>U.S.</u> Post Office Address <u>16 River Run, E. Greenwich, Rhode Island</u> 02818
Full name of twelfth joint inventor Frank T. Gentile Twelfth Inventor's signature
Date
Residence <u>57 Lawn Avenue, Warwich, Rhode Island, 02888</u>
Citizenship <u>U.S.</u>
Post Office Address <u>57 Lawn Avenue, Rhode Island, 02888</u>